

FIG. 1

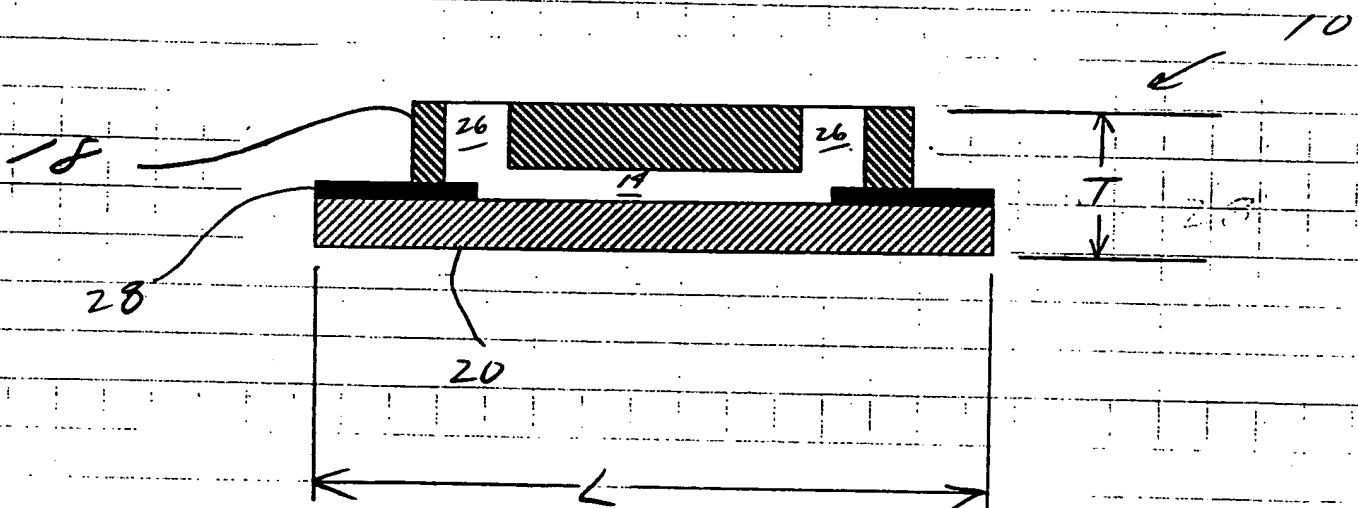


FIG. 2

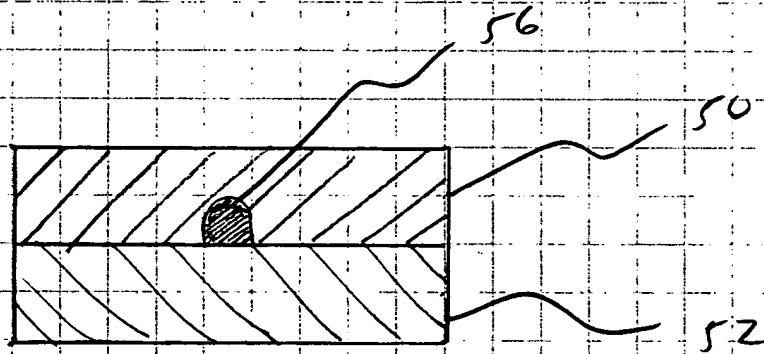
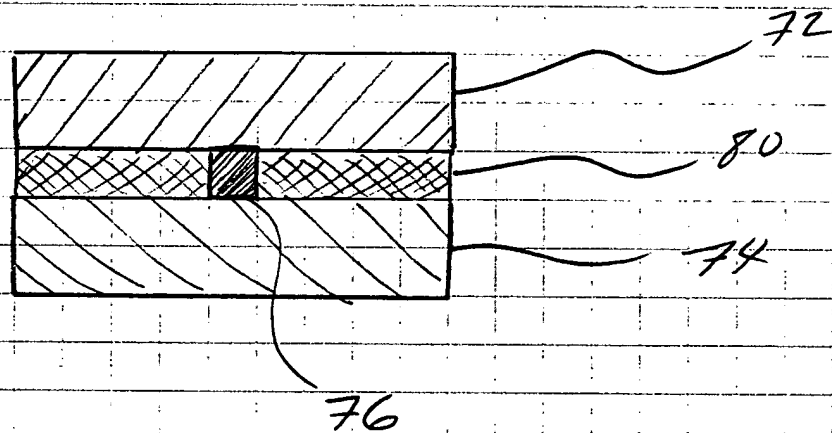
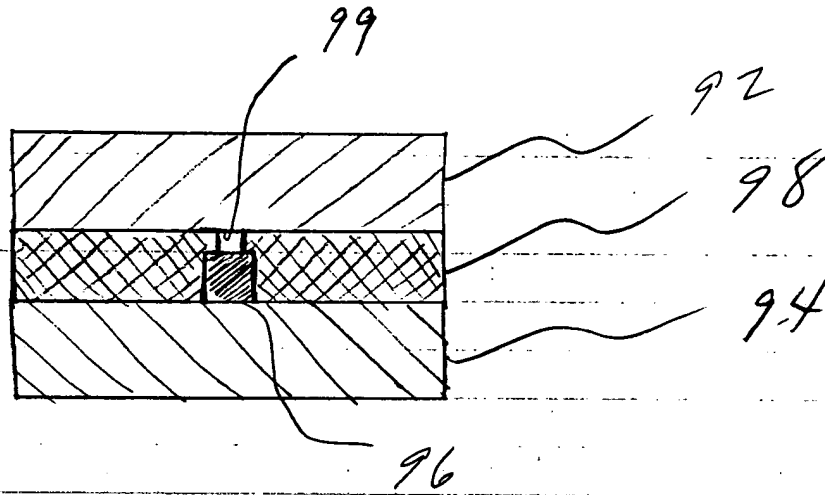


FIG. 3A



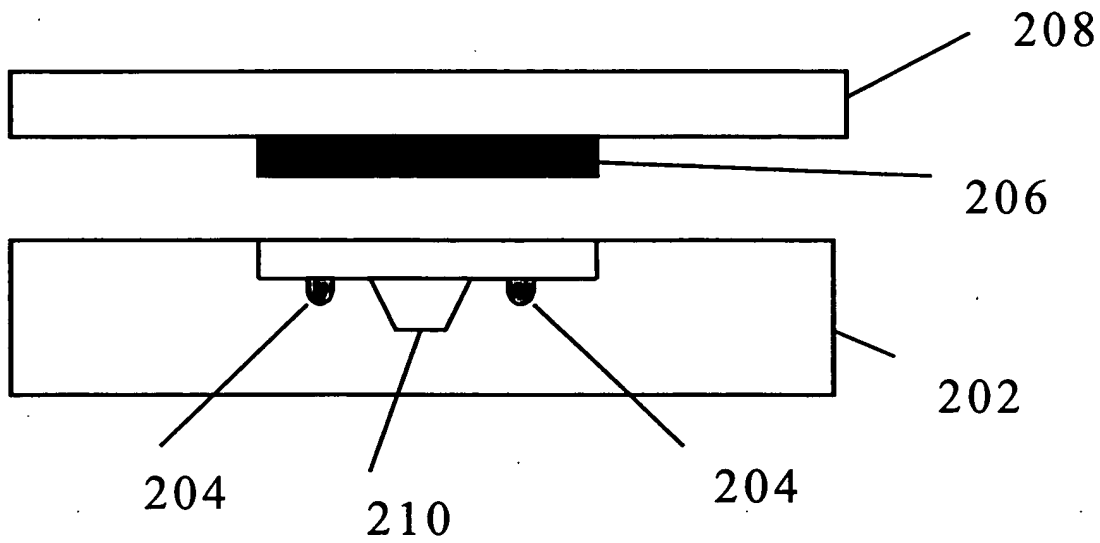


Figure 4A

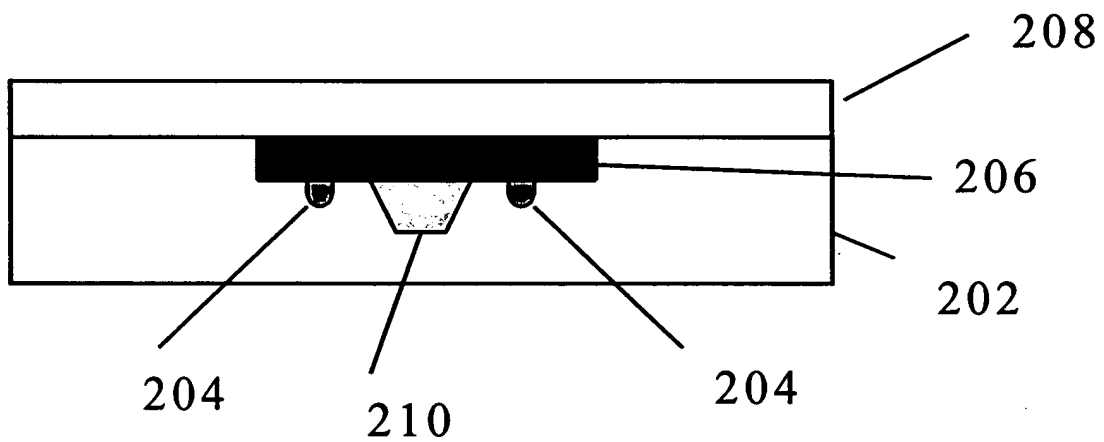


Figure 4B



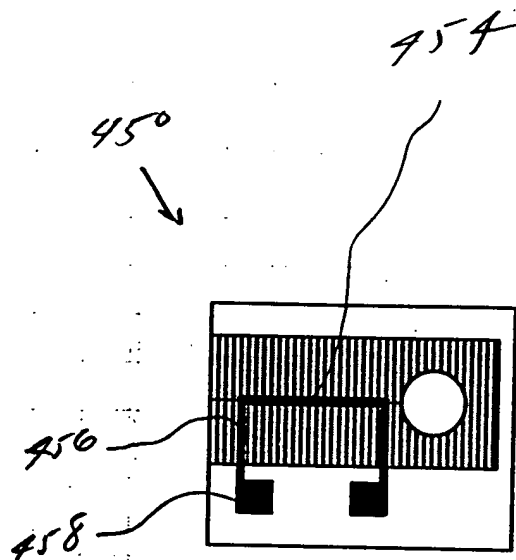


FIG. 6A

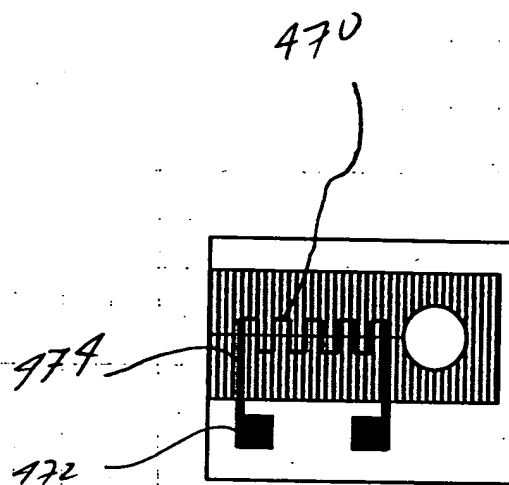


FIG. 6C

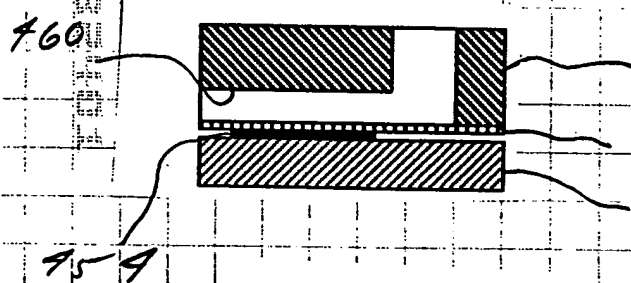


FIG. 6B

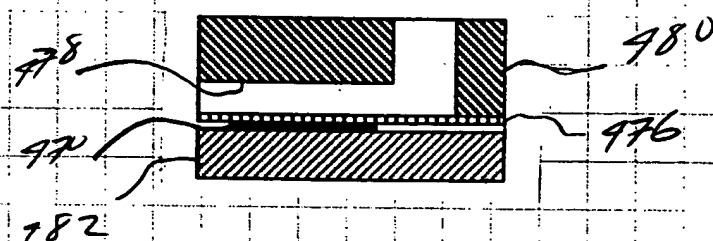


FIG. 6D

TOP VIEW

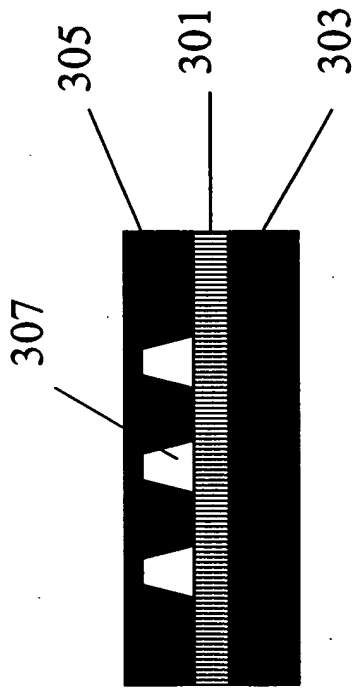


Figure 7A

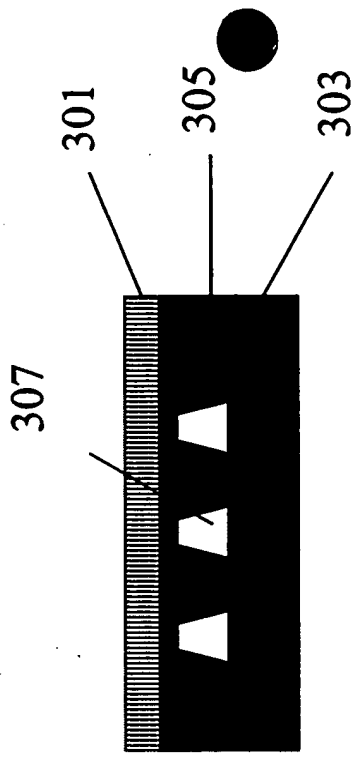


Figure 7B

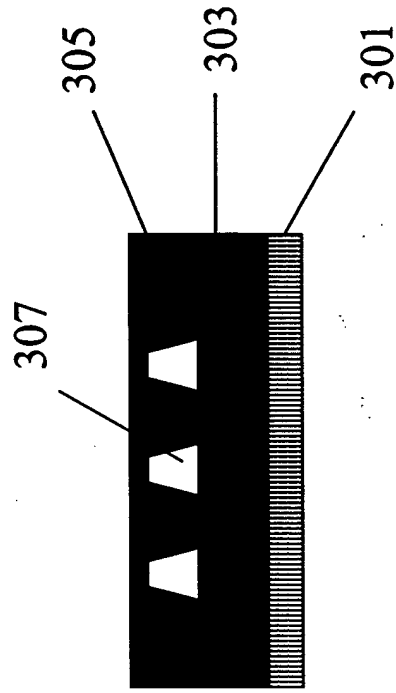
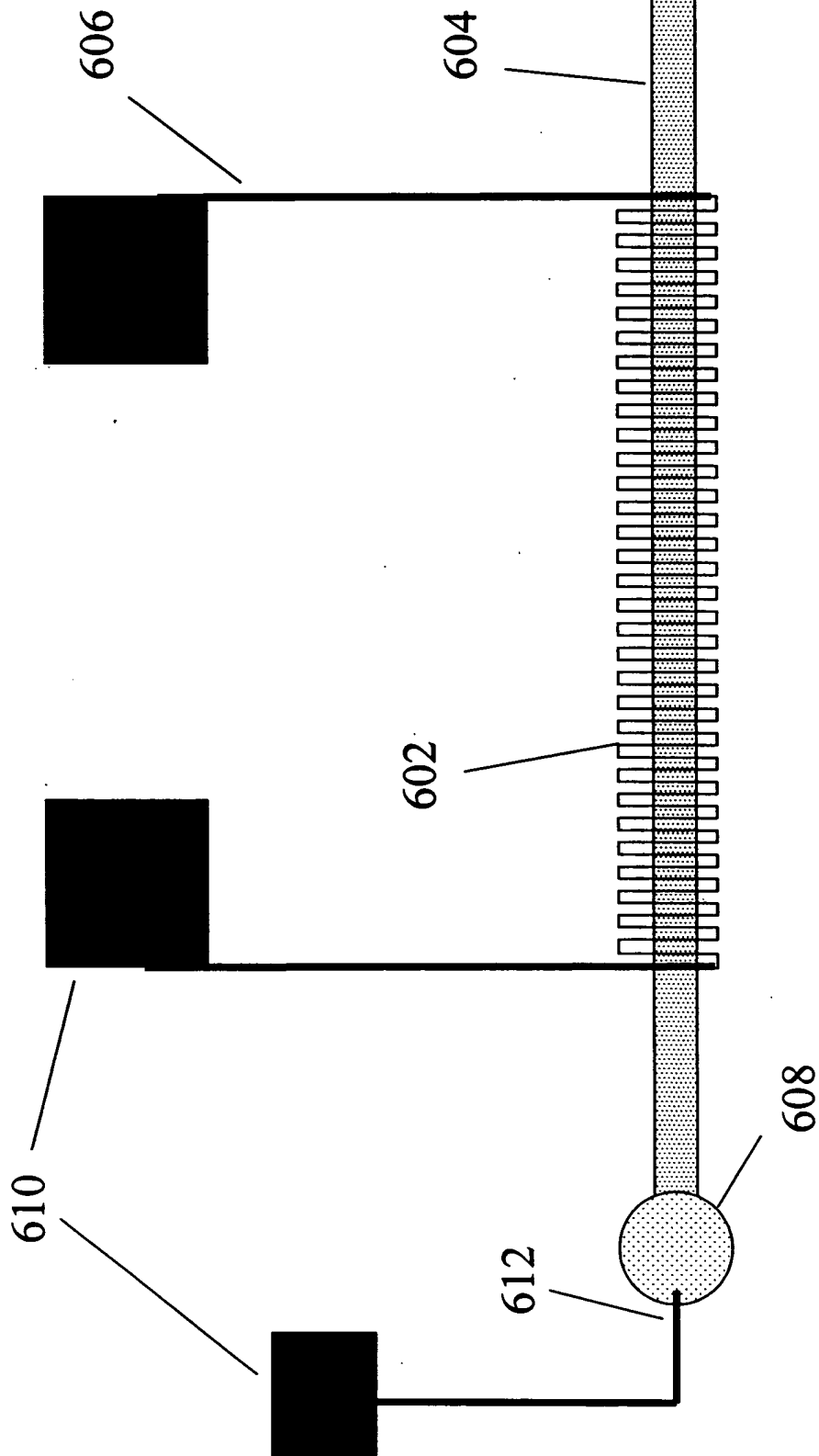


Figure 7C





Short Title: MICROFLUIDIC CHIP HAVING INTEGRATED  
ELECTRODES

First Inventor: Mingqi ZHAO  
Applicant No.: To Be Assigned  
Docket No.: 427922000920

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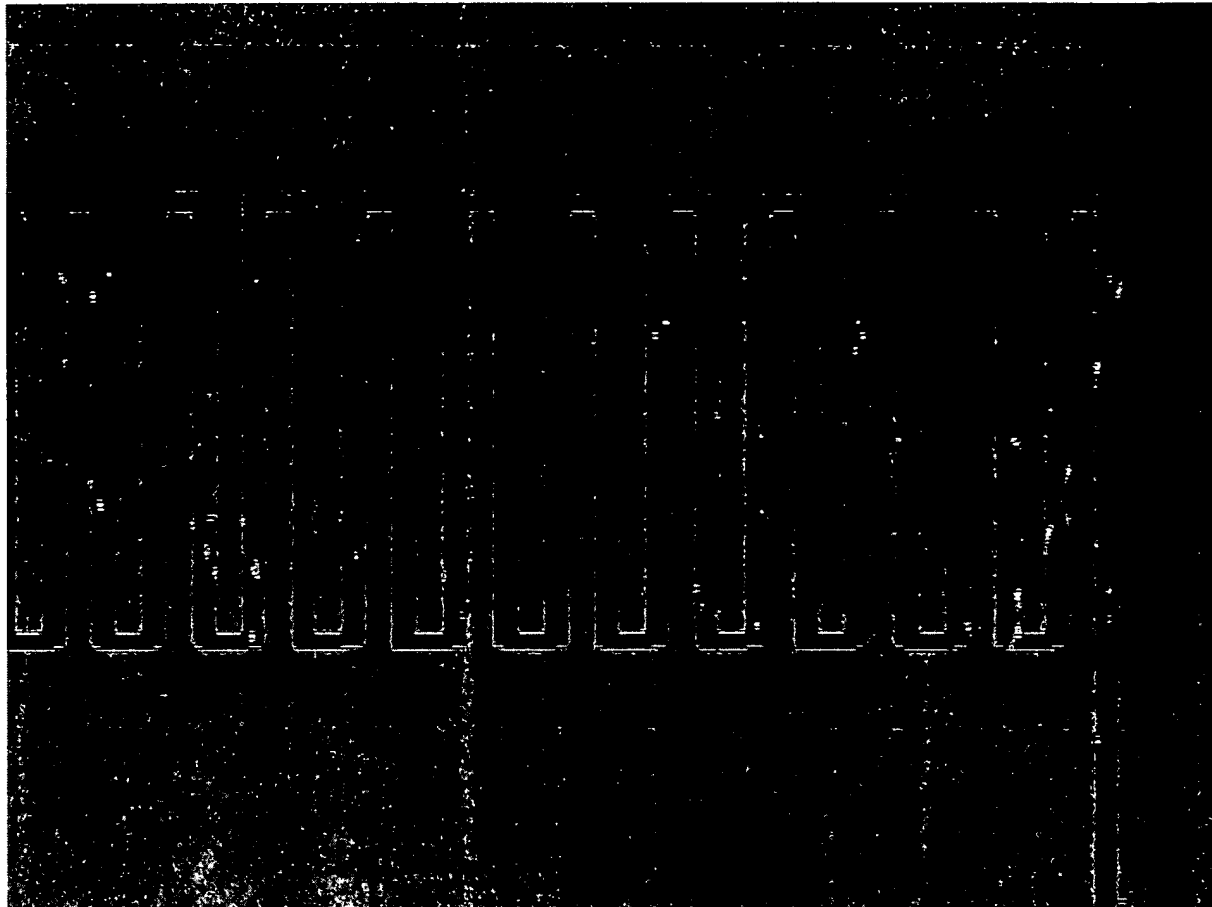


FIG. 9

100

101

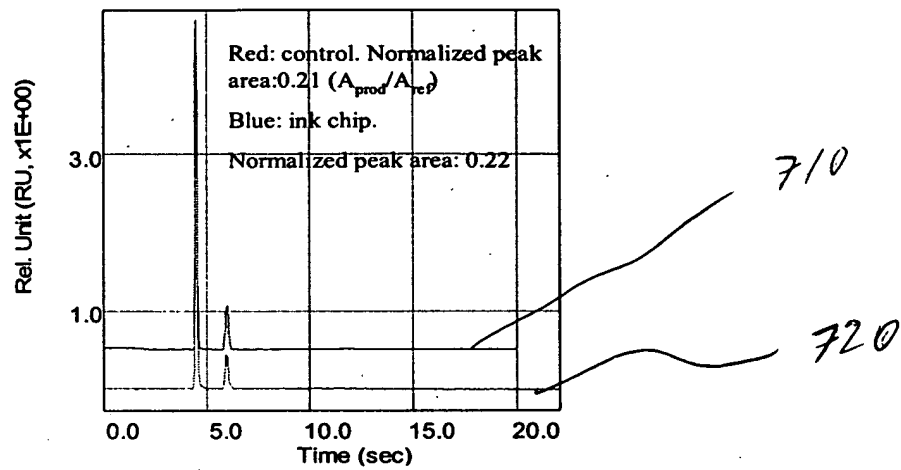


FIG. 10

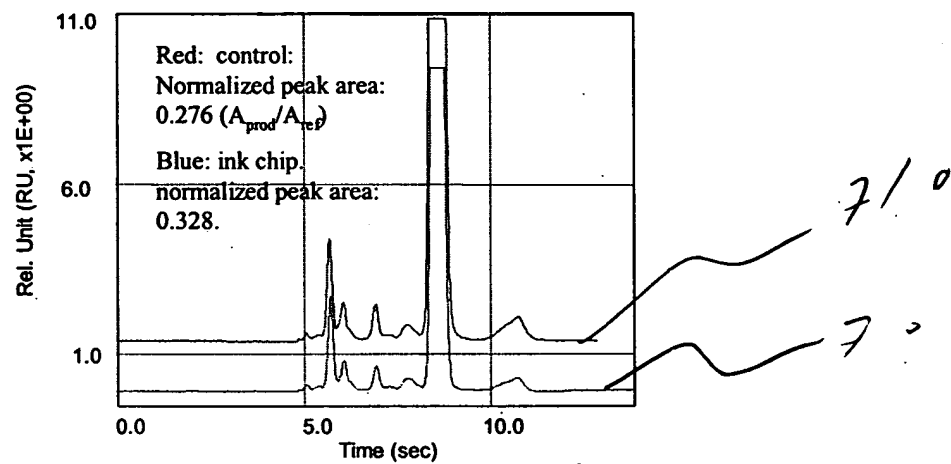
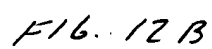
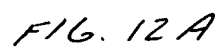


FIG. 11



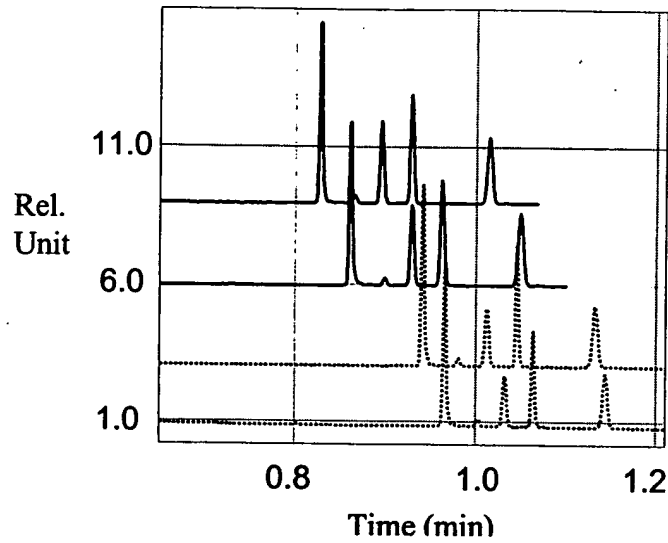


FIG. 13

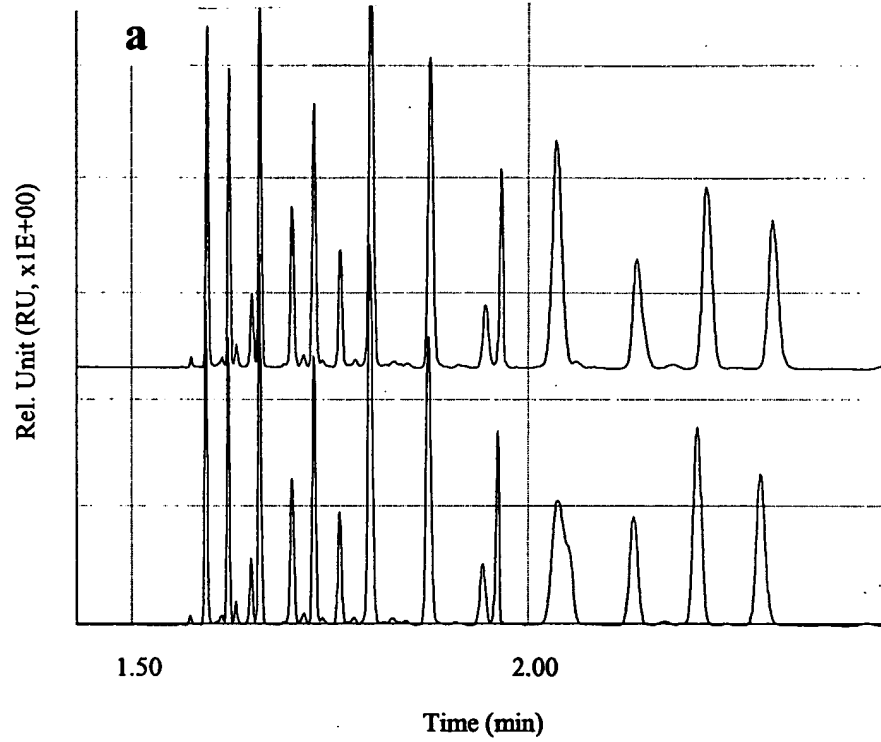


FIG. 14A

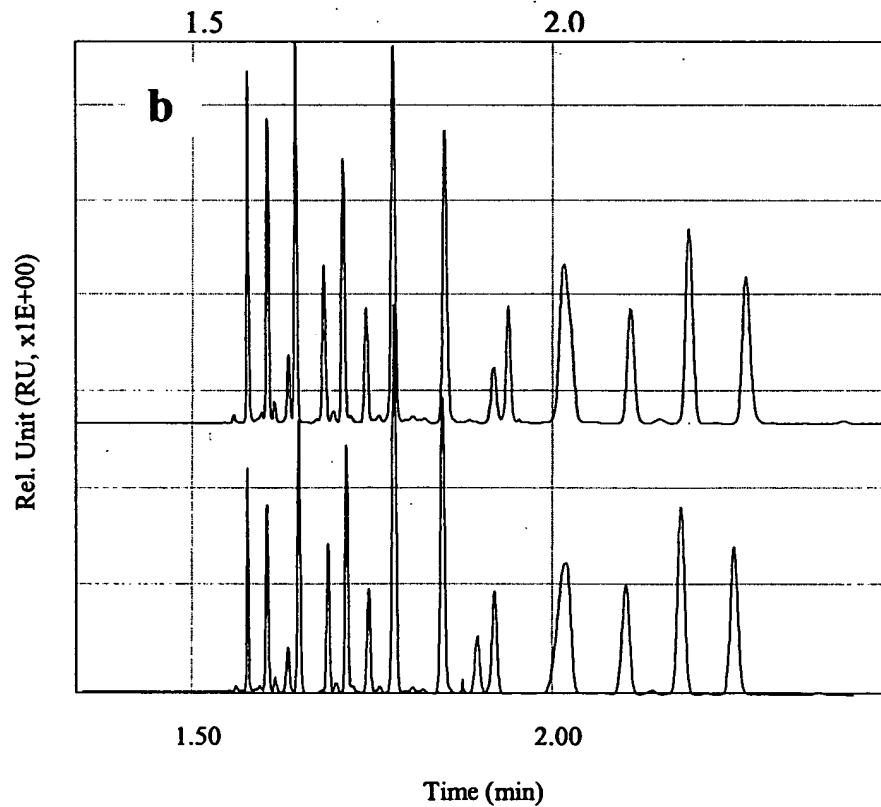


FIG. 14B

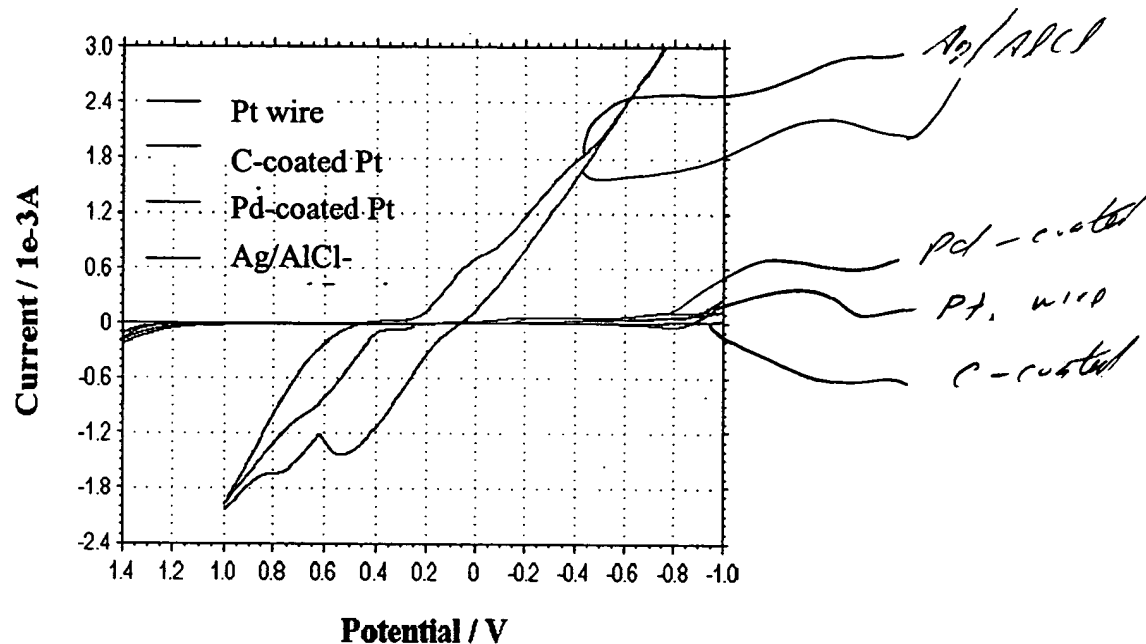


FIG. 15A

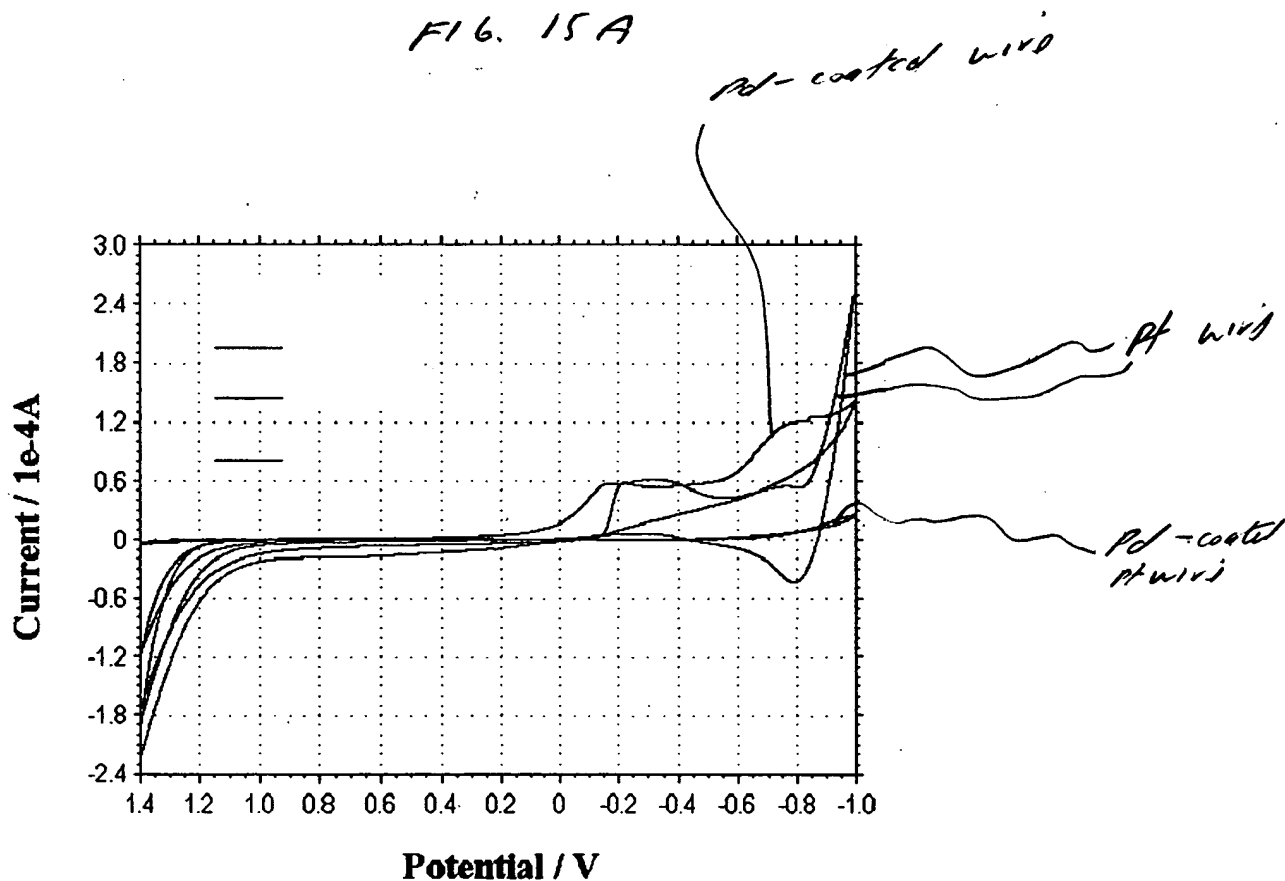


FIG. 15B

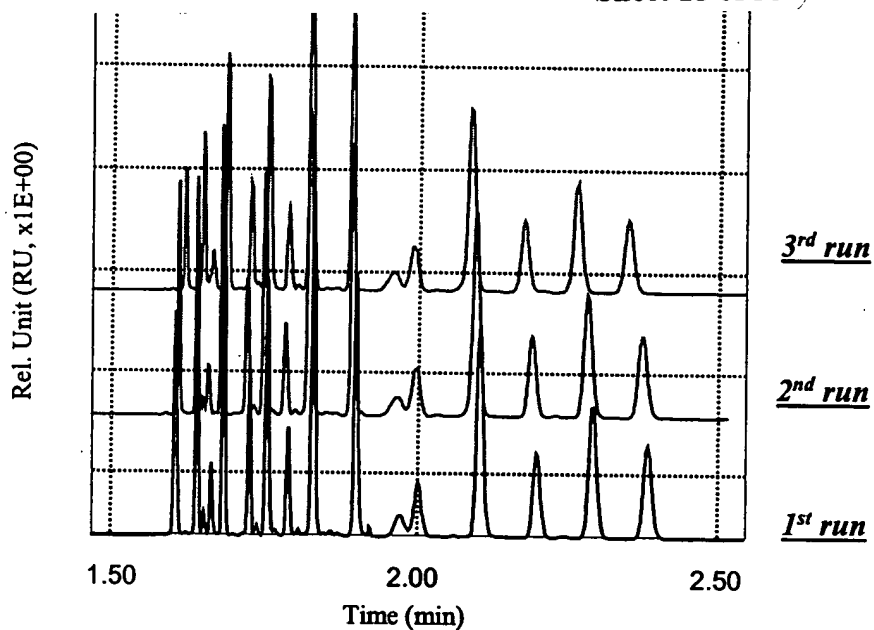


FIG. 16

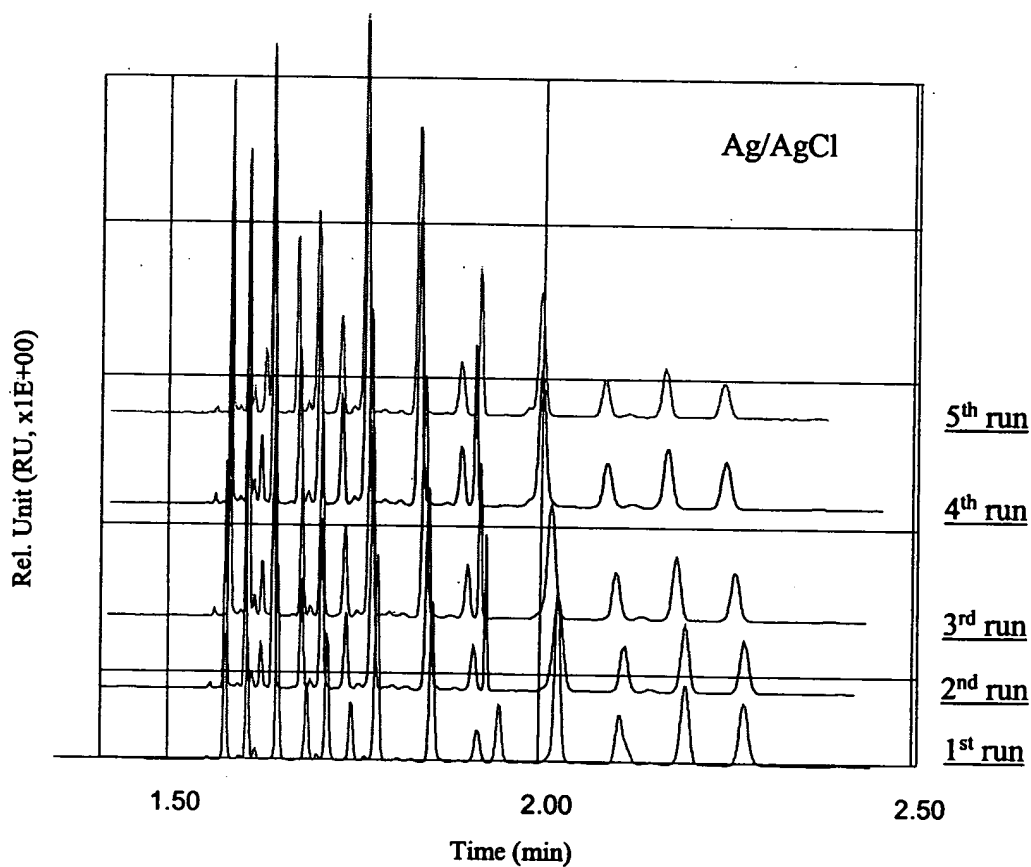


FIG. 17

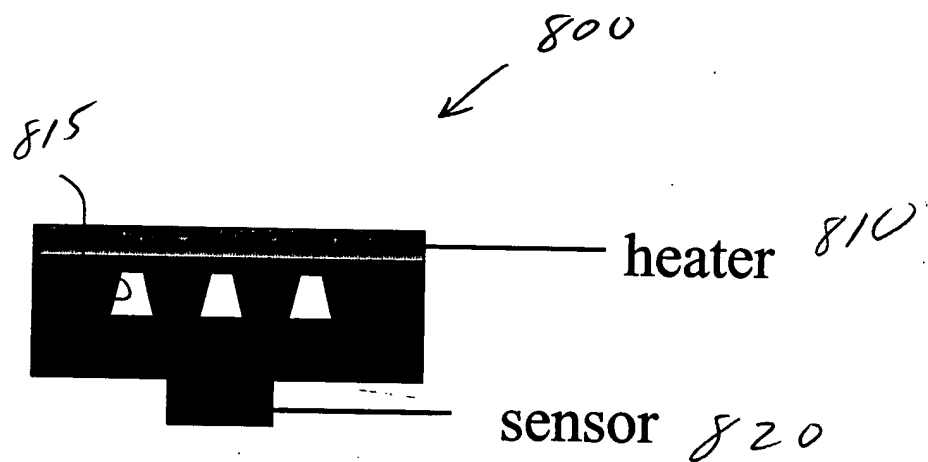


FIG. 18



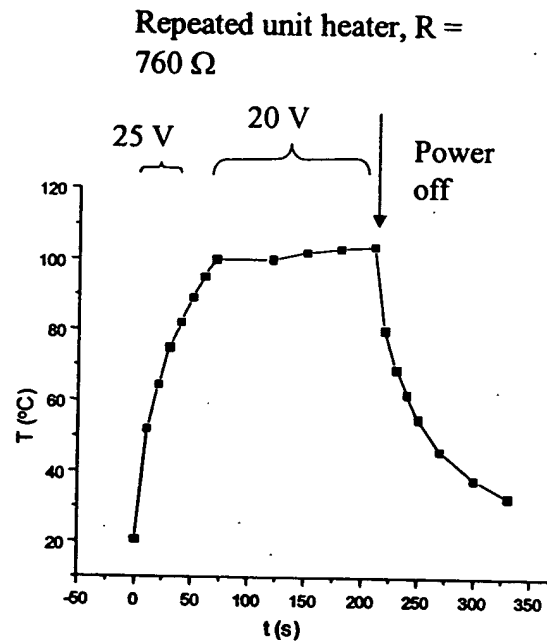


FIG. 19

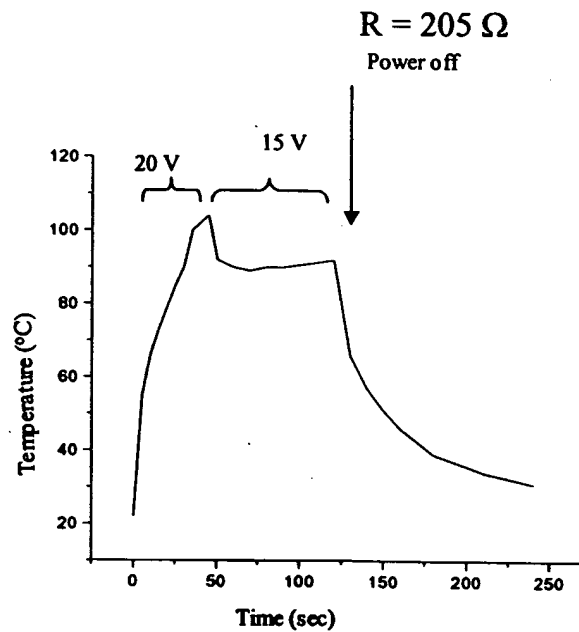


FIG. 20

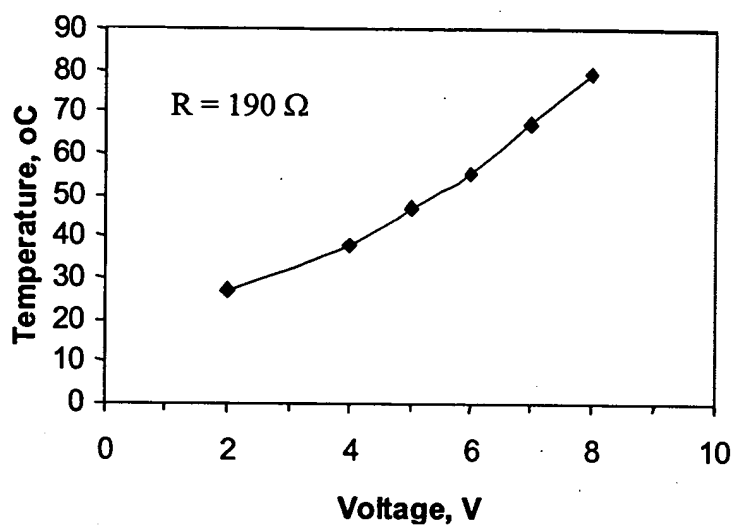


FIG. 21A

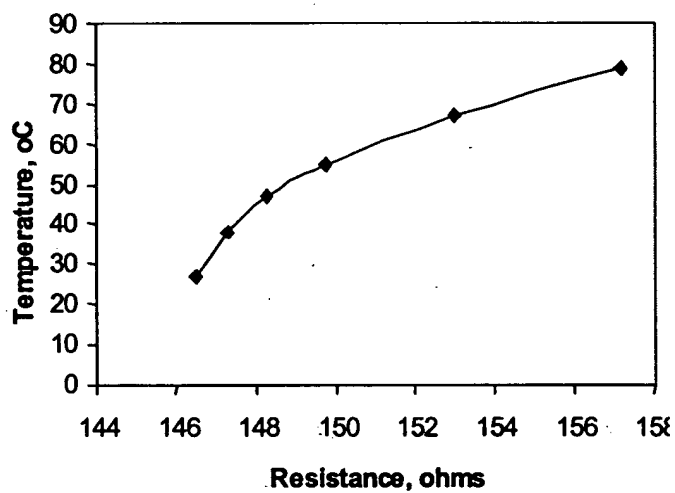


FIG. 21B

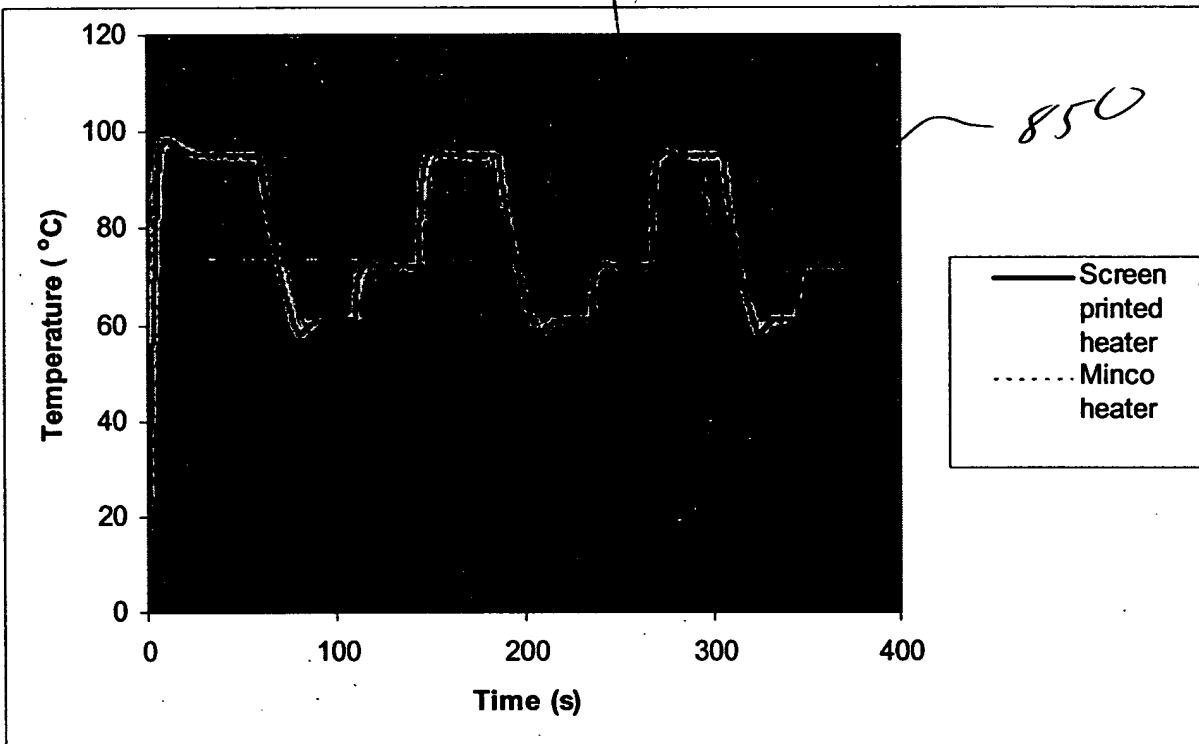


FIG. 21C

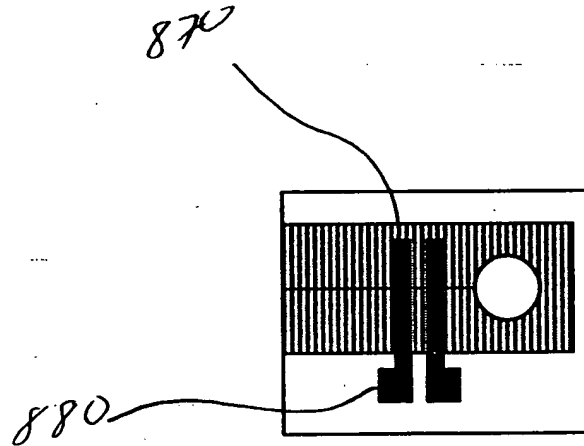


FIG. 22A

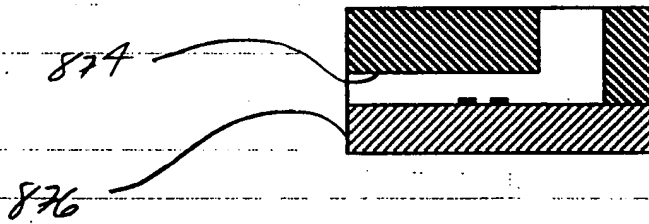


FIG. 22B

FIG. 23

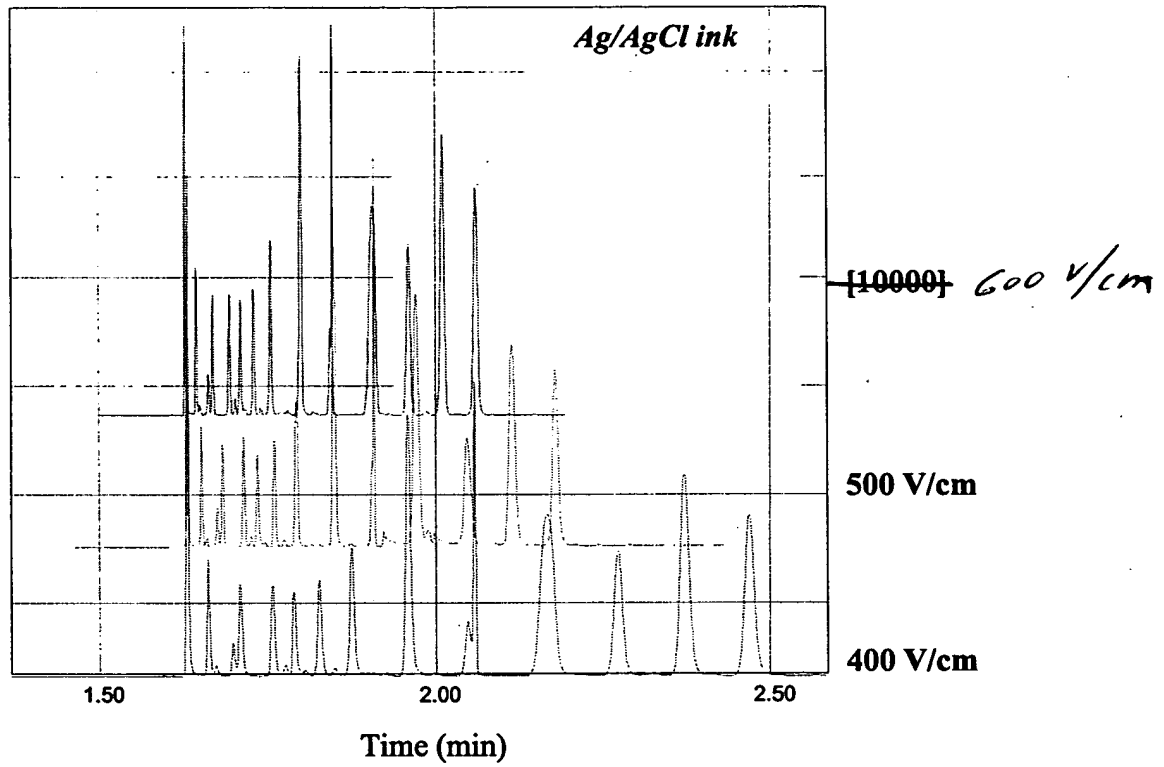


FIG. 24A

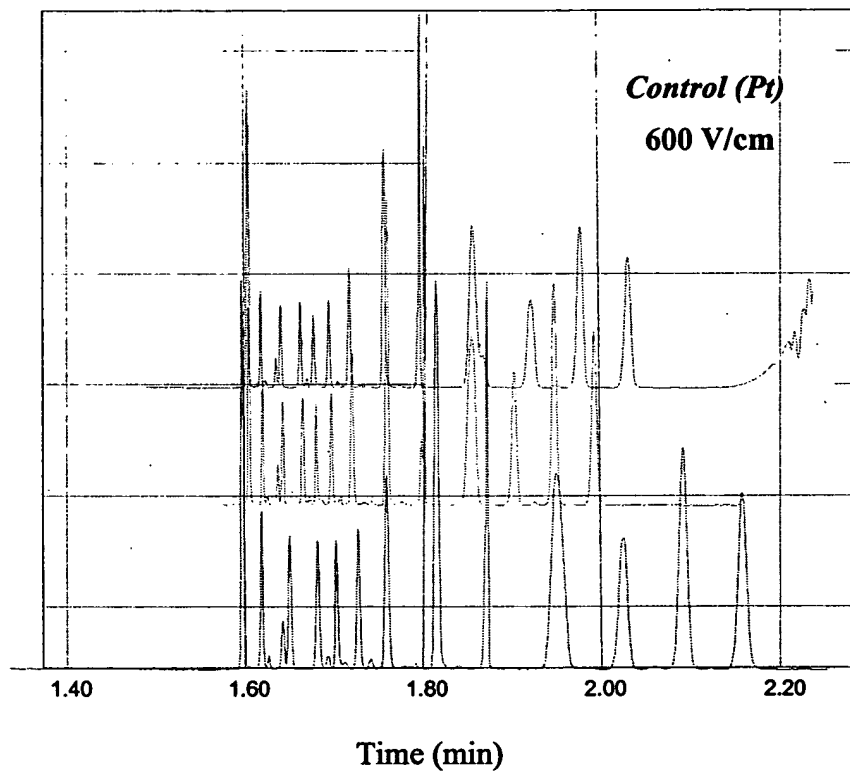


FIG. 24B

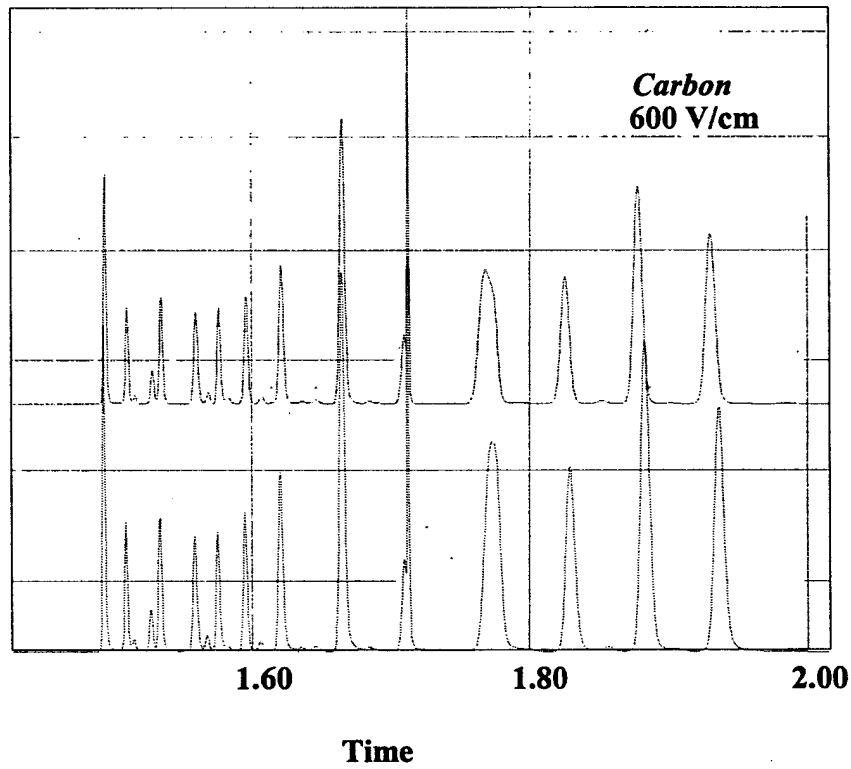
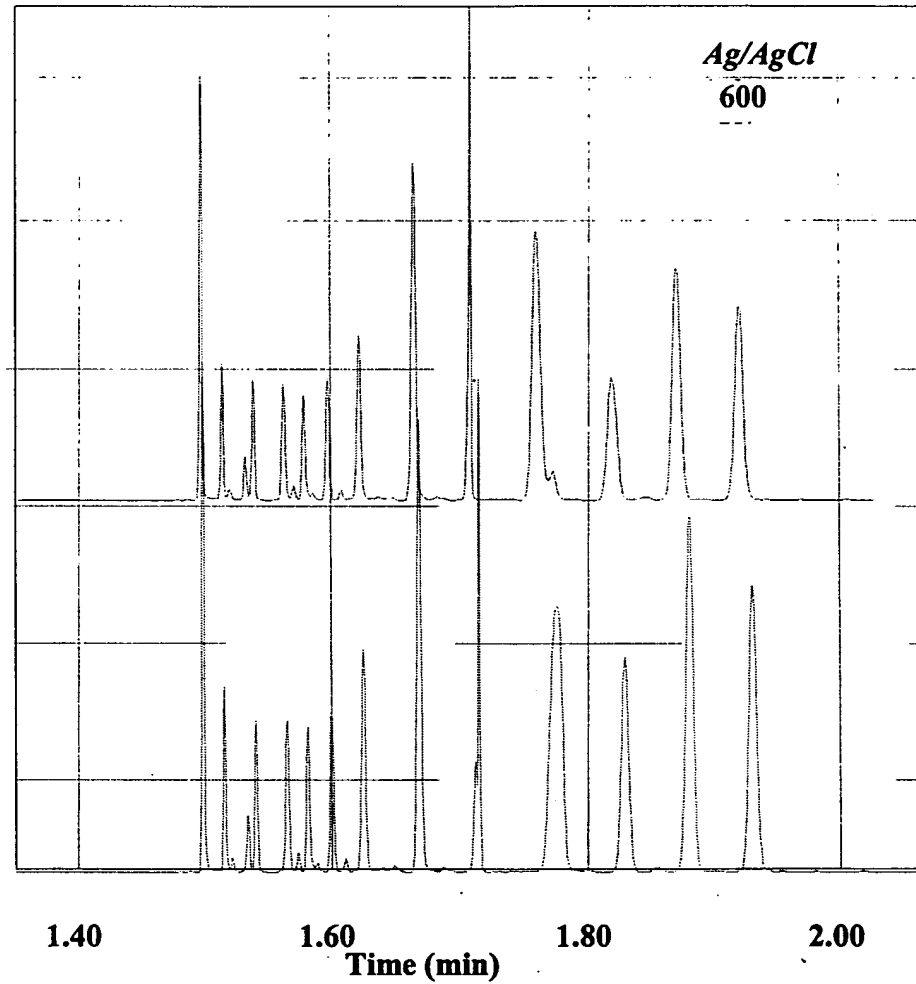


FIG. 24C





eTag Probes (-FC)	Migration time (min)				Normalized peak height				Half peak width				Resolution			
	Average		CV		Average		CV		Average		CV		Average		CV	
	Pt	Ink	Pt	Ink	Pt	Ink	Pt	Ink	Pt	Ink	Pt	Ink	Pt	Ink	Pt	Ink
163	1.56	1.50	6.61	0.19	0.69	0.56	2.81	4.74	0.15	0.12	33.81	4.60				
158	1.58	1.51	6.80	0.19	0.27	0.22	1.61	2.45	0.15	0.13	25.18	2.79	1.01	0.81	25.92	0.70
33	1.61	1.54	7.08	0.18	0.34	0.27	4.80	3.40	0.17	0.15	27.95	0.98	1.36	1.08	19.80	1.18
26	1.63	1.56	7.40	0.23	0.30	0.25	3.57	2.77	0.21	0.18	30.71	2.40	1.38	1.04	27.73	1.30
25	1.65	1.58	7.49	0.22	0.26	0.22	3.28	1.57	0.17	0.16	23.50	4.94	1.05	0.89	13.48	1.44
174	1.67	1.60	7.73	0.22	0.30	0.27	4.16	2.37	0.20	0.18	25.84	2.82	1.32	0.86	44.60	0.90
1	1.70	1.62	7.98	0.22	0.48	0.41	0.29	5.20	0.23	0.20	27.30	2.42	1.51	0.81	70.08	13.70
187	1.75	1.67	8.41	0.21	1.01	0.88	4.52	0.54	0.25	0.22	26.68	1.91	2.04	1.14	63.05	0.06
188	1.80	1.71	8.85	0.37	0.63	0.59	5.03	6.99	0.10	0.08	34.24	6.73	2.17	1.07	33.52	9.03
189	1.86	1.77	9.45	0.72	1.54	1.42	2.98	1.25	0.76	0.53	30.56	29.77	1.99	1.03	30.19	6.73
190	1.92	1.82	10.07	0.50	0.75	0.71	0.64	1.02	0.49	0.46	39.83	21.75	1.59	1.00	47.68	6.52
191	1.98	1.87	10.64	0.41	1.20	1.18	0.33	0.23	0.47	0.42	37.31	10.72	1.72	1.04	45.94	0.27
192	2.04	1.92	11.08	0.44	1.00	1.00	0.00	0	0.49	0.42	35.82	6.85	1.57	0.92	29.69	2.93

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